Table 1.6.4.11
Reflection conditions and possible space groups with Bravais lattice *oI* and Laue class *mmm*; Patterson symmetry *Immm*

Reflection conditions							Space group	No.	Space group	No.	Space group	No.
hkl	0*kl*	*h*0*l*	*hk*0	*h*00	0*k*0	00*l*						
$h+k+l$	$k+l$	$h+l$	$h+k$	h	k	l	***I*222** *Im*2*m*	23 44	***I*2$_1$2$_1$2$_1$** *I*2*mm*	24 44	*Imm*2 *Immm*	44 71
$h+k+l$	$k+l$	$h+l$	h,k	h	k	l	*Im*2*a* *Immb*	46 74	*I*2*mb*	46	*Imma*	74
$h+k+l$	$k+l$	h,l	$h+k$	h	k	l	*Ima*2 *Imcm*	46 74	*I*2*cm*	46	*Imam*	74
$h+k+l$	$k+l$	h,l	h,k	h	k	l	*I*2*cb*	45	*Imcb*	72		
$h+k+l$	k,l	$h+l$	$h+k$	h	k	l	*Ibm*2 *Icmm*	46 74	*Ic*2*m*	46	*Ibmm*	74
$h+k+l$	k,l	$h+l$	h,k	h	k	l	*Ic*2*a*	45	*Icma*	72		
$h+k+l$	k,l	h,l	$h+k$	h	k	l	*Iba*2	45	*Ibam*	72		
$h+k+l$	k,l	h,l	h,k	h	k	l	*Ibca*	73	*Icab*	73		

Table 1.6.4.12
Reflection conditions and possible space groups with Bravais lattice *oF* and Laue class *mmm*; Patterson symmetry *Fmmm*

Reflection conditions							Space group	No.
hkl	0*kl*	*h*0*l*	*hk*0	*h*00	0*k*0	00*l*		
$h+k, h+l, k+l$	k,l	h,l	h,k	h	k	l	***F*222** *Fmm*2 *Fm*2*m* *F*2*mm* *Fmmm*	22 42 42 42 69
$h+k, h+l, k+l$	k,l	$h+l=4n; h,l$	$h+k=4n; h,k$	$h=4n$	$k=4n$	$l=4n$	*F*2*dd*	43
$h+k, h+l, k+l$	$k+l=4n; k,l$	h,l	$h+k=4n; h,k$	$h=4n$	$k=4n$	$l=4n$	*Fd*2*d*	43
$h+k, h+l, k+l$	$k+l=4n; k,l$	$h+l=4n; h,l$	h,k	$h=4n$	$k=4n$	$l=4n$	*Fdd*2	43
$h+k, h+l, k+l$	$k+l=4n; k,l$	$h+l=4n; h,l$	$h+k=4n; h,k$	$h=4n$	$k=4n$	$l=4n$	*Fddd*	70

Table 1.6.4.13
Reflection conditions and possible space groups with Bravais lattice *tP* and Laue class 4/*m*; *hk* are permutable; Patterson symmetry *P*4/*m*

Reflection conditions					Space group	No.	Space group	No.	Space group	No.
*hk*0	0*kl*	$h\pm h\,l$	00*l*	*h*00						
					***P*4**	75	$P\bar{4}$	81	$P4/m$	83
			l		***P*4$_2$**	77	$P4_2/m$	84		
			$l=4n$		***P*4$_1$**	76	***P*4$_3$**	78		
$h+k$				h	$P4/n$	85				
$h+k$			l	h	$P4_2/n$	86				